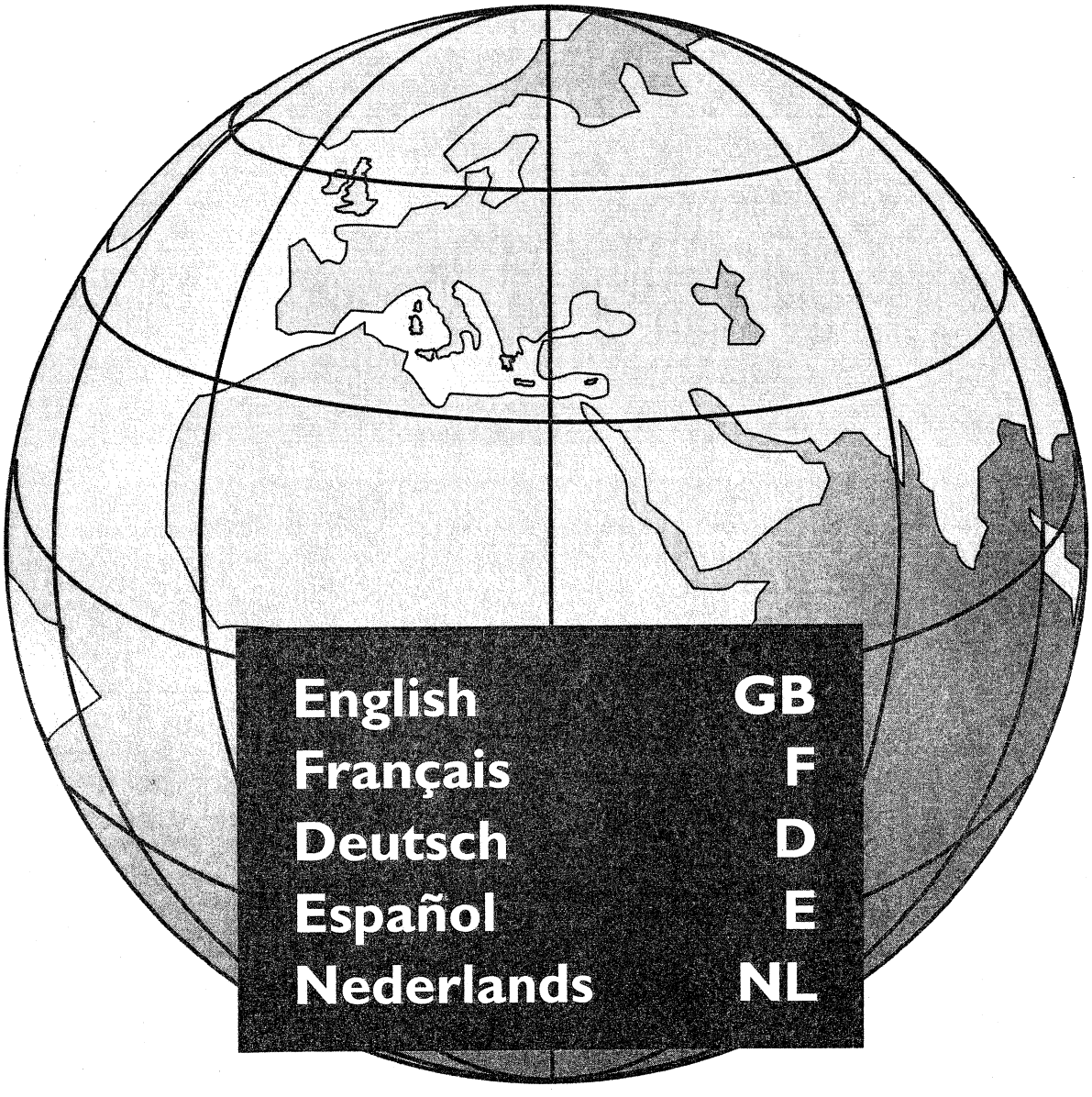
SRX501

616Z001-42747



English GB
Français F
Deutsch D
Español E
Nederlands NL

Amstrad

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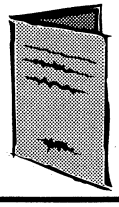

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2 IMPORTANT

MAINS SUPPLY

220 - 230 V ~ 50 Hz

Rating label is located on underside of receiver.

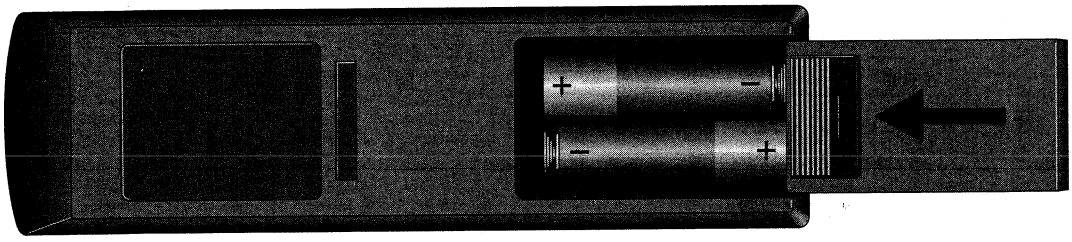
DISH/LNB INSTALLATION

Before receiving any satellite programmes, the dish and LNB must be installed and aligned to face the satellite(s) in space. Astra satellites are positioned above the equator at longitude 19.2° east; Télécom 2B and 2A satellites are at longitudes 5° west and 8° west respectively.

✳ **This receiver is factory-set for use with Astra LNB type SLB3/TLB3 or Télécom LNB type SLB5. To use an older model (10GHz) Astra LNB, you must change receiver's local oscillator setting to 10GHz.**

FURTHER INFORMATION - SECTION 15A

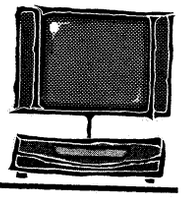
REMOTE CONTROL

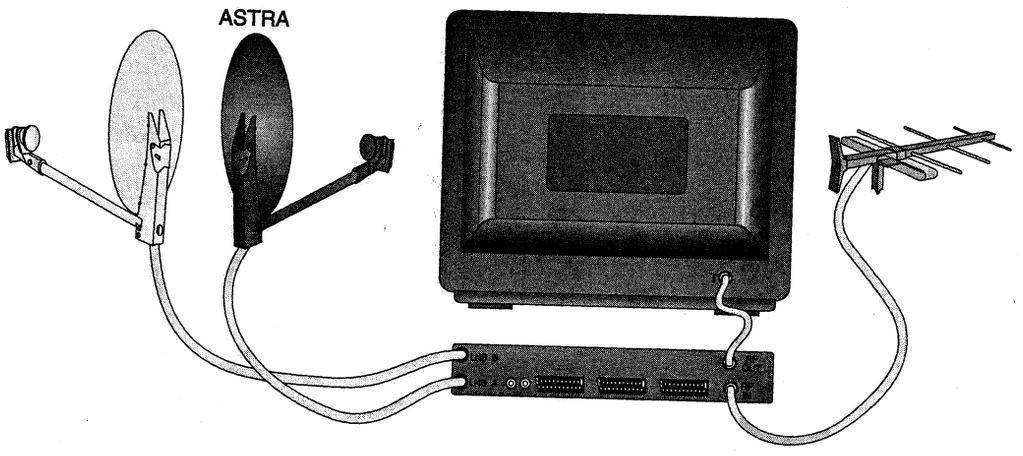


NOTES

- Do not lose remote control handset - most receiver functions cannot be used without it.
- Unwrap new batteries and fit them in accordance with diagram inside battery compartment.
- Remove exhausted batteries as soon as possible and replace with leakproof batteries (type number printed inside battery compartment).
- Remove batteries if not using the handset for a few weeks or more.
- When remote control commands are received from handset, green dot will flash on receiver front panel.
- Ignore AUTHORISE button on handset, it has no function on this receiver.

3 CONNECTING TO A TV (WITHOUT A VIDEO RECORDER)



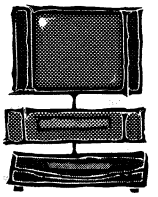


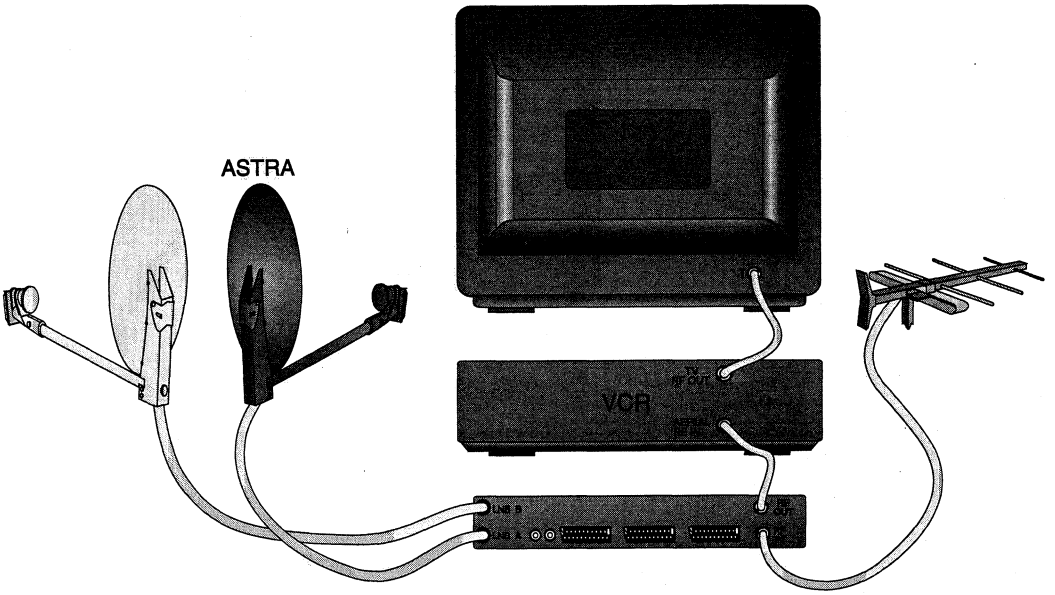
NOTES

- Connect receiver's RF OUT socket to TV's aerial socket using cable provided.
- When connecting feeder cable from dish to receiver, tighten the outer nut by hand - do not use a spanner or pliers.
- If connecting *just one* dish and LNB to receiver, use LNB A socket.
- If connecting *two* LNBs to receiver, use LNB A socket for Astra LNB, and LNB B socket for other LNB.
- If either LNB connection is short-circuit, the indication **SC.A** (or **SC.b**) will flash on front panel (when receiver is switched on).
- If your TV has a 21-way SCART socket, connect it to receiver's TV SCART/PERITEL socket.
- If satellite channels you wish to receive are *scrambled* (eg. *CANAL+*, *FilmNet*, *Cinemanía*), connect the appropriate decoder to receiver's DECODER socket.

FURTHER INFORMATION - SECTION 15B

4 CONNECTING TO A TV AND VIDEO RECORDER

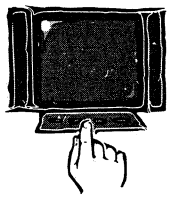




NOTES

- Your TV and video recorder should be connected together in the conventional manner.
- Connect receiver's RF OUT socket to video recorder's RF input (aerial) socket using cable provided.
- When connecting feeder cable from dish to receiver, tighten the outer nut by hand - do not use a spanner or pliers.
- If connecting *just one* dish and LNB to receiver, use LNB A socket.
- If connecting *two* LNBs to receiver, use LNB A socket for Astra LNB, and LNB B socket for other LNB.
- If either LNB connection is short-circuit, the indication **SC.A** (or **SC.b**) will flash on front panel (when receiver is switched on).
- If your TV has a 21-way SCART socket, connect it to receiver's TV SCART/PERITEL socket.
- If your video recorder has a 21-way SCART socket, connect it to receiver's VCR SCART/PERITEL socket.
- If satellite channels you wish to receive are *scrambled* (eg. *CANAL+*, *FilmNet*, *Cinemanía*), connect the appropriate decoder to receiver's DECODER socket.

FURTHER INFORMATION - SECTION 15B



5 TUNING-IN YOUR TV

✳ **Skip this section if your TV is connected to receiver's TV SCART/PERITEL socket.**

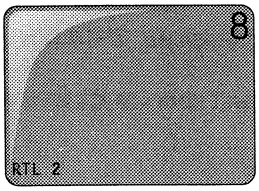
❶ Connect receiver to mains supply (check that front panel display lights).

Note that STANDBY button ⏻ switches receiver on and off.

❷ Press STANDBY to switch receiver on (channel number is displayed).

❸ Hold down STATUS button for five seconds or so (check green dot flashes).

❹ Select a spare channel on the TV and tune it in to receive picture similar to:

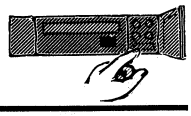


(If you cannot tune-in to this picture, try repeating steps ❸ and ❹.)

Once tuned-in, select this channel on your TV whenever you want to watch satellite programmes.

When all tuning-in is finished, press STATUS once (don't press it yet if you still have to tune-in your video recorder).

FURTHER INFORMATION - SECTION 15C



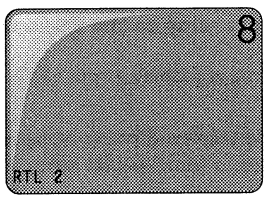
6 TUNING-IN YOUR VIDEO RECORDER

✳ **Skip this section if your video recorder is connected to receiver's VCR SCART/PERITEL socket.**

❶ Set TV to satellite channel and check that picture shown above is still displayed (if not, hold down STATUS button for five seconds).

❷ Set TV to the channel you normally use for video playback.

❸ On the video recorder, select a spare channel and tune it in to receive the same picture:



Once tuned-in, select this channel on your video recorder whenever you want to record satellite programmes.

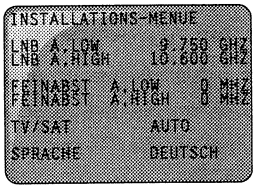
When all tuning-in is finished, press STATUS once.

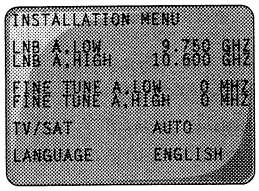
FURTHER INFORMATION - SECTION 15C

7 CHANGING ON-SCREEN LANGUAGE

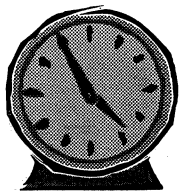
❶ Switch on receiver.
❷ Switch on TV and set it to satellite channel.
❸ Press SET-UP repeatedly until you see picture similar to:
❹ Press OK repeatedly until language setting is flashing (eg. **DEUTSCH**).
❺ Press SELECT + or − repeatedly to change language:
❻ When required language (eg. **ENGLISH**) is flashing, press EXIT.

FURTHER INFORMATION - SECTION 15J





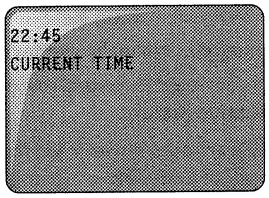
8 SETTING THE CLOCK



❶ Switch on receiver and TV. Select the satellite channel.
❷ Press TIMER once.
❸ Press SELECT + or − to adjust the time (hold the button down to adjust quickly). You should see picture similar to:

✶ **Set the time according to the *24-hour* clock.**

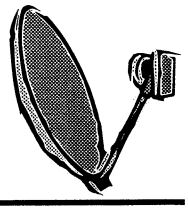
❹ When correct time is flashing, press EXIT.



Once set, time will be displayed on front panel whenever receiver is switched off (standby). To cancel time display, press TIMER once (time will be replaced by ▬ ▬). To restore time display, press TIMER again.

✶ ***Flashing* time display on front panel indicates a mains power interruption. Re-set the clock.**

FURTHER INFORMATION - SECTION 15D



9 ALIGNING THE DISH

✳ **Skip this section if dish has been installed and aligned professionally.**

If installing dish yourself, refer to Dish Installation Guide and diagram sheet supplied with dish. Check you have set dish to correct angle of elevation.

DIRECTION (LEFT/RIGHT)

Once installed, dish must be turned to face the right direction. Follow these instructions (for Astra):

❶ Slightly loosen nuts securing dish so it can be turned. Face dish south.

❷ Switch on TV and set it to the satellite channel.

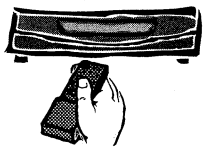
❸ Switch on receiver and press 5 to select channel 5 (*Vox**).

❹ Slowly and carefully turn dish eastwards until picture* appears on TV screen. When you find the best position, tighten nuts securing dish. (Check for good picture quality on a few other channels also.)

If picture is not satisfactory, try rotating the LNB to improve the picture; if it is still not satisfactory, then try re-adjusting the angle of elevation.

* If *DSF* appears (even though on-screen display says **VOX**), this means you are using an older model (10GHz) LNB. Continue aligning dish for best picture, then afterwards set receiver's local oscillator to 10GHz.

FURTHER INFORMATION - SECTION 15A

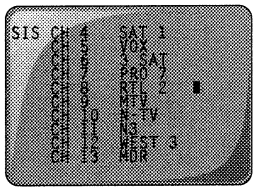


10 CHANNEL SELECTION

Satellite channels can be selected three ways:

- pressing CHANNEL ▲ or ▼ to change channel up or down,
- pressing number buttons 0-9 to select the channel number directly (note that channel 0 is external AV input),
- pressing SIS to display channel names on screen (then press SELECT + or — to select required channel, OK to confirm).

Typical SIS display:



Note if receiver is off, selecting a channel will switch it on.

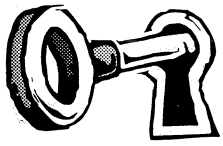
You will **not** be able to change channels during timer operation (indicated by flashing channel number on front panel).

To check receiver status at any time, press STATUS once. Displayed on screen will be: channel number, channel name and current time (display disappears after a few seconds.)

For constant status display, hold down STATUS for five seconds or so. (To cancel, press STATUS once.)

FURTHER INFORMATION - SECTION 15E

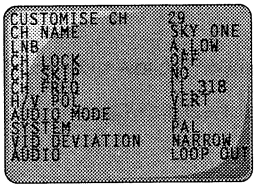
11 PARENTAL LOCK



To lock a channel, follow these instructions:

❶ Select channel.

❷ Press SET-UP until you see picture similar to:



❸ Check **CH LOCK** is flashing **OFF**.

❹ Press SELECT + so **OFF** changes to **ON**.

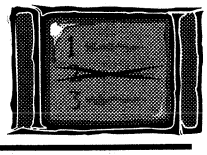
❺ Press EXIT.

Once **CH LOCK** is **ON**, channel is only selectable by remote control - not by front panel controls. Therefore, withhold handset from children. (On attempting to select a locked channel using front panel buttons, picture and sound disappear, and **LOCKED** flashes.)

To **unlock** a channel, follow above instructions but set **CH LOCK** to **OFF**.

Note that ▷ displayed before a channel number denotes a locked channel.

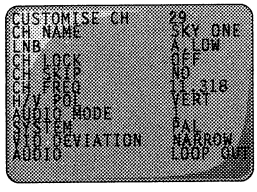
12 REMOVING UNWANTED CHANNELS



To remove (hide) a channel, follow these instructions:

❶ Select channel.

❷ Press SET-UP until you see picture similar to:



❸ Press OK once so **CH SKIP** is flashing **NO**.

❹ Press SELECT + so **NO** changes to **YES**.

❺ Press EXIT.

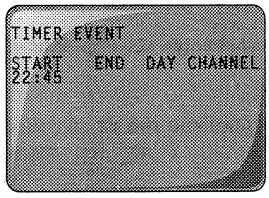
Once **CH SKIP** is set to **YES**, channel is skipped by CHANNEL ▲ and ▼ buttons and is not included on SIS display. (Skipped channels can still be selected directly using number buttons.)

To **restore** a skipped channel, follow above instructions but set **CH SKIP** to **NO**.

13 TIMER OPERATION

SETTING THE TIMER

To make receiver switch on and off automatically at pre-selected times and channels, follow these instructions:



❶ Press TIMER repeatedly until you see picture similar to:

✷ **Make sure END, DAY and CHANNEL settings are *blank* (underneath). If they are not blank, press TIMER again until they are.**

❷ To adjust current setting (flashing), press SELECT + or – (hold the button down to adjust quickly).

❸ To confirm current setting and move on to next setting, press OK.

❹ When all settings are as required, check **TIMER EVENT SET** is displayed, then press EXIT.

NOTES

- When setting **START** and **END** times, remember to use the *24-hour* clock.
- When setting **DAY** number, note that **0** is **today**, **1** is **tomorrow**, **2** is two days' time, etc. After **28**, **EVR** appears - this means **every day**.
- When setting **CHANNEL**, note that if **UNLOCK CHANNEL** appears, the channel must be unlocked before pre-selected start time.
- You can set up to eight different timer events up to four weeks ahead.
- To **abandon** timer setting at any point, press STANDBY.

You can continue to operate receiver normally before and after timer events.

FURTHER INFORMATION - SECTION 15F

CHECKING THE TIMER

Press TIMER repeatedly to check all timer event settings (in date order) on the TV screen. Press EXIT to finish.

CANCELLING THE TIMER

To cancel a timer event in progress, simply press STANDBY to switch receiver off.

To cancel a timer event before it starts, follow these instructions:

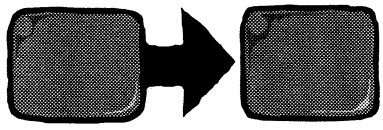
❶ Press TIMER repeatedly until the event you want to cancel is displayed.

❷ Press OK repeatedly until **TIMER EVENT SET** is flashing.

❸ Press SELECT + so that **SET** changes to **CANCEL**.

❹ Press EXIT.

14 CUSTOMISATION



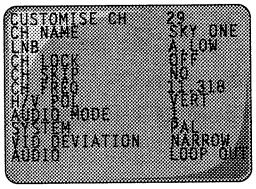
✳ **Skip this section unless you want to change the factory-set values (shown on accompanying Satellite Check Chart).**

CHANNEL CUSTOMISATION

To change individual channel settings, follow these instructions:

❶ Select channel.

❷ Press SET-UP until you see picture similar to:



❸ To adjust current setting (flashing), press SELECT + or − (hold the button down to adjust quickly).

❹ To confirm current setting and move on to next setting, press OK.

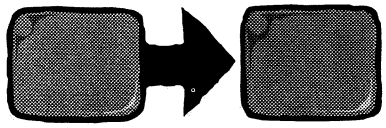
❺ When all settings are as required, press EXIT.

NOTES

- **CH LOCK** sets parental lock.
- **CH SKIP** sets whether channel is skipped by channel selection buttons.
- **CH FREQ** selects frequency (in GHz).
- **H/V POL** sets polarisation (horizontal or vertical).
- **AUDIO MODE** selects soundtrack subcarrier.
- **SYSTEM** sets tuner to receive PAL, MAC or radio broadcasts.
- **VID DEVIATION** sets picture contrast level.
- **AUDIO** sets whether audio is internal or looped-out via external decoder.
- **CUSTOMISE CH** selects channel number.
- **CH NAME** selects the channel name characters.
- **LNB** selects LNB input and local oscillator (dependent on LNB fitted).
- To **abandon** customisation at any point, press STANDBY.

FURTHER INFORMATION - SECTION 15G

14 CUSTOMISATION



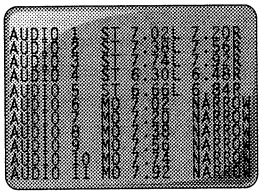
✷ **Skip this section unless you want to change the factory-set values (shown on accompanying Satellite Check Chart).**

AUDIO MODE CUSTOMISATION

To change audio mode subcarrier frequencies, follow these instructions:

❶ Press SET-UP repeatedly until you see picture similar to:

❷ As before, adjust flashing setting using SELECT + or –, confirm setting using OK, and finish using EXIT.



NOTES

- **MO** or **ST** sets mono or stereo.
- **5.50** to **8.50** selects audio subcarrier frequency (in MHz).
- For stereo modes, **L** and **R** denote left and right channels. (Note the right channel frequency automatically tracks the left by +0.18MHz.)
- **NARROW** or **WIDE** sets audio bandwidth (mono modes only).
- To **abandon** customisation at any point, press STANDBY.

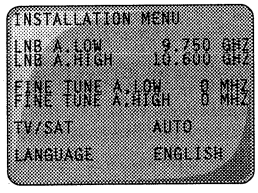
FURTHER INFORMATION - SECTION 15H

INSTALLATION CUSTOMISATION

To change installation settings, follow these instructions:

❶ Press SET-UP repeatedly until you see picture similar to:

❷ As before, adjust flashing setting using SELECT + or –, confirm setting using OK, and finish using EXIT.

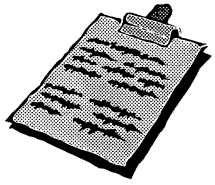


NOTES

- **LNB A,LOW** selects frequency of low local oscillator for currently selected LNB. (If LNB B is currently selected then above display will be **LNB B,LOW**.)
- **LNB A,HIGH** selects frequency of high local oscillator for currently selected LNB (dependent on LNB fitted). Note **HIGH** option will enable future reception of an extra band of Astra channels (scheduled introduction from 1995 - note that some of these transmissions may *not* be compatible with this receiver).
- **FINE TUNE A,LOW** and **FINE TUNE A,HIGH** fine-tune the low and high local oscillators for currently selected LNB (dependent on LNB fitted).
- **TV/SAT** selects whether your currently selected TV channel is automatically overridden by satellite channel when receiver is switched on (only applicable if your TV is connected to receiver's TV SCART/PERITEL socket).
- **LANGUAGE** sets language for all on-screen displays.
- To **abandon** customisation at any point, press STANDBY.

FURTHER INFORMATION - SECTION 15J

15 FURTHER INFORMATION



A DISH/LNB INSTALLATION

When selecting the dish mounting position, you can check line of sight (between dish and satellite) is not obscured by buildings or trees etc. using the dish-position checker (on back of book) as follows:

❶ At intended location of dish, hold book flat with arrow ① pointing south.

Place your eye next to other end of arrow ②. Using protractor scale, look in direction of satellite you want to receive (eg. look 19° east for Astra). Get a bearing on this direction by relating it to a fixed point of the landscape such as a tree.

❷ Pin a piece of thread about 30cm long to tip of arrow ② and tie a small weight onto the other end. Hold book vertically so thread is hanging at angle of elevation required for your location (eg. 28° in London).

Arrow ② should now point towards satellite in space. If there are any obstructions in the way, then find a different location for the dish.

The receiver can accommodate the following dish and LNB combinations:

- single dish mounted with one LNB, to receive from one satellite,
- single dish mounted with two LNBs, to receive from two different satellites,
- two separate dishes mounted with two LNBs (one on each dish), to receive from two different satellites.

The receiver is factory-set for LNB type SLB3 or TLB3. To use older models of Amstrad LNB (eg. type SLB1, TLB1 or bluecap), change receiver's local oscillator setting to 10GHz. To do this, press SET-UP repeatedly so **INSTALLATION MENU** is displayed on screen, press SELECT + to change **LNB A,LOW** setting to **10.000 GHZ**, then press EXIT.

In some cases with older model LNBs, some of the new Astra 1D channels may suffer degraded reception or interference from terrestrial TV transmissions. In such cases, upgrade your LNB to type SLB3 or TLB3 (then set receiver's local oscillator to 9.75GHz).

If in doubt about the suitability of your LNB, contact your dealer. (See also section 15J.)

B CONNECTIONS

Any short-circuit on the LNB socket(s) is indicated by **SC.A** (or **SC.b**) flashing on receiver front panel. (Short-circuits are usually caused by loose strands of wire within the F-type connector, or by a punctured feeder cable.)

If connecting a TV and/or video recorder to receiver's SCART/PERITEL socket(s), you will need to purchase a standard 21-way cable for each piece of equipment. (See also section 15M.)

To make the most of the receiver's high quality stereo sound, you may feed it through your stereo system. To do this, connect an audio cable (twin-phono) from AUDIO OUT L and R sockets (at back of receiver) to auxiliary input socket(s) of your stereo system.

C TUNING-IN

If your TV is connected to the TV SCART/PERITEL socket, then there is no need to tune it in, as the satellite picture will appear automatically whenever the receiver is switched on (see also section 15J).

If your video recorder is connected to the VCR SCART/PERITEL socket, then there is no need to tune it in. (To record from satellite, set the video recorder to external A/V input (or auxiliary channel 0).

The full tuning-in procedure for your TV and video recorder will be found in the equipment's user instruction books.

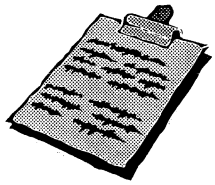
If receiver's RF output signal interferes with adjacent TV channel or other equipment (eg. video recorder), then adjust CH.ADJ control on receiver back panel by approx quarter-turn and re-tune TV (and video recorder if connected). Consult your dealer if you have difficulty tuning-in.

D CLOCK

If **CHECK CLOCK** is displayed (instead of **CURRENT TIME**) when TIMER is pressed, this means there has been a mains power interruption (or receiver has been unplugged). Under these circumstances the front panel time display will *flash* (during standby). As the displayed time may now be incorrect, re-set the clock.

To cancel front panel time display (during standby), press TIMER once (press again to restore).

15 FURTHER INFORMATION



E CHANNEL SELECTION

Pressing SIS provides a user-friendly method of channel selection. A list of channel names is displayed on which you can move up or down to select the required channel then press OK to confirm. (Pressing SIS repeatedly advances the list by ten channels at a time.)

Selecting channel 0 switches to external audio/video input (AV); this will be the output signal from your video recorder (if connected to receiver's VCR SCART/PERITEL socket). Most video recorders will automatically set receiver to channel 0 when PLAY is pressed.

If using the number buttons to select a two-digit or three-digit channel number, press the second or third digit within two seconds of the previous digit.

When STATUS is pressed, current time normally appears with **:** flashing (if *all* time-digits flash, there has been a mains supply interruption and you should re-set the clock). If current time does *not* appear when STATUS is pressed, then clock has not been set initially.

Be careful about using on-screen functions (such as STATUS or SIS) while you are *recording* satellite programmes, otherwise the on-screen messages will appear on your recording! (This does not apply if your video recorder is connected to receiver's VCR SCART/PERITEL socket.)

Note that channel selection is available at receiver front panel as well as remote control handset.

F TIMER OPERATION

Timer operation is only possible if the clock has been set.

At pre-selected start time(s), receiver will switch on (if it was off) and lock onto pre-selected channel until end time, then switch off.

If **TIMER EVENT ERROR** is displayed, then you have made the following mistake(s):

- you have set the same start and end time,
- you have set both start and end time earlier than current time,
- you have set start time the same as start time of another event.

If **ERROR** *does* appear, press OK until incorrect setting flashes, then change the setting using SELECT + or —. After a second or so, **ERROR** will change to **SET**. You may then press EXIT.

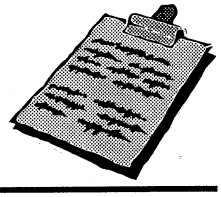
(Note that each day (at midnight) the day number for every event decreases by one.)

Note if two (or more) events overlap, the one starting first takes priority.

The receiver indicates timer operation on front panel display, as follows:

- centre dot flashing means receiver is off (standby) ready to switch on at event start time,
- channel number flashing means receiver is on and timer event is in progress.

15 FURTHER INFORMATION



G CHANNEL CUSTOMISATION

Channel customisation can be used simply to swap channel positions, or to configure receiver for different satellite(s). Many channels are ready-configured for the major European satellites (see the Satellite Check Chart accompanying this book); however, the settings of *any* channel may be altered.

For each channel to customise, you must find out its frequency, polarisation and audio subcarrier(s) by consulting the relevant publication. If receiving the broadcast using a different LNB, you must set receiver's local oscillator frequency to match.

Reception from other satellites will depend on your location, size of dish and type of LNB. (Some broadcasts may require an additional decoder.) Consult your local satellite expert for installation information. (See also section 15K.)

The channel frequency (**CH FREQ**) adjustment range is typically 10.700 to 12.050GHz depending on local oscillator setting (see section 15J).

AUDIO MODE should be selected for required audio subcarrier frequency as follows:

AUDIO MODE	MONO/ STEREO	SUBCARRIER FREQUENCY (MHz) LEFT	RIGHT	AUDIO BANDWIDTH
1	STEREO	7.02	7.20	NARROW
2	STEREO	7.38	7.56	NARROW
3	STEREO	7.74	7.92	NARROW
4	STEREO	6.30	6.48	NARROW
5	STEREO	6.66	6.84	NARROW
6	MONO	7.02		NARROW
7	MONO	7.20		NARROW
8	MONO	7.38		NARROW
9	MONO	7.56		NARROW
10	MONO	7.74		NARROW
11	MONO	7.92		NARROW
12	STEREO	8.10	8.28	NARROW
13	MONO	8.10		NARROW
14	MONO	5.80		WIDE
15	MONO	6.60		WIDE
16	MONO	6.65		WIDE

If none of the above audio modes contains the desired settings, you can customise any mode to your own requirements (see section 15H).

You can change audio modes to select different soundtracks: one mode will contain the soundtrack for the programme you are watching, others may contain alternative languages or satellite radio stations. (See also section 15L.)

SYSTEM should be set to **PAL** or **MAC** as appropriate (MAC broadcasts require a MAC decoder). Note MAC setting mutes audio. Setting **SYSTEM** to **RADIO** suppresses picture, leaving soundtrack only.

VID DEVIATION should be set to **NARROW** for all Astra broadcasts. For other broadcasts, set for correct picture contrast.

For channels requiring an external decoder, **AUDIO** should be set to **LOOP OUT** if both the picture *and* soundtrack are scrambled, or to **INTERNAL** if the picture is scrambled but the soundtrack is clear. If in doubt, set for clear soundtrack.

LNB should be set to **A** or **B** according to which socket the LNB for this channel is connected. The setting **A** or **B** is followed by **LOW** or **HIGH** which selects one of two local oscillators inside the LNB (dependent on LNB fitted). The oscillator frequencies themselves can be matched independently (see section 15J).

Note if you set **CUSTOMISE CH** to a new number, you will *overwrite* all the previous settings of that channel number. Be careful not to overwrite a channel you wish to keep!

SWAPPING CHANNELS

Swapping channel positions is best described by example. To swap two channels (eg. 1 and 8):

❶ Select channel 1. On channel customisation display, change **CUSTOMISE CH 1** to a spare unused number (eg. **99**), then press EXIT.

❷ Select channel 8. On channel customisation display, change **CUSTOMISE CH 8** to **1**, then press EXIT.

❸ Finally, select channel 99. On channel customisation display, change **CUSTOMISE CH 99** to **8**, then press EXIT.

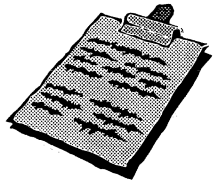
H AUDIO MODE CUSTOMISATION

Audio mode customisation is used to configure audio modes to frequencies, bandwidths and mono/stereo settings different from the factory-set values shown on table in section 15G.

If you customise an audio mode for a particular broadcast, make sure that mode is not used by any channels you normally watch (audio modes are listed on the Satellite Check Chart accompanying this book).

Audio bandwidth should be set to **NARROW** for Astra broadcasts. For other broadcasts, you may need to change to **WIDE** bandwidth to maintain optimal sound quality. (See also section 15K.)

15 FURTHER INFORMATION



J INSTALLATION CUSTOMISATION

Installation customisation is used to configure global settings. Any settings changed on this menu will affect all channels and all on-screen displays.

The **LOW** and **HIGH** frequencies are for matching the local oscillators to the currently selected LNB. The adjustment range is 9.300 to 12.000GHz (or 0.000GHz).

The low and high local oscillators can be fine-tuned by ±10MHz. The **FINE TUNE** settings should be adjusted only if *all* channels using the displayed LNB/local oscillator combination seem off-tune. This will be especially apparent in weak signal conditions (eg. heavy rain) where black or white *sparklies* will appear on the picture. Use **FINE TUNE** to minimise these sparklies.

Fine-tuning is able to compensate for LNB frequency drift (within specified tolerances); however it *cannot* compensate for poor dish installation or alignment, nor insufficient dish size.

The **TV/SAT** setting can be used to control your TV (if connected to receiver's TV SCART/PERITEL socket), as follows:

- if **TV/SAT** is set to **AUTO**, TV automatically changes to satellite channel when receiver is switched on (TV returns to previous channel when receiver is switched off),
- if **TV/SAT** is set to **TV**, satellite channel will only appear when *manually* selected on the TV.

(Note that automatic satellite channel selection will not take place during timer operation.)

The TV is controlled by a DC signal on pin 8 of the TV SCART/PERITEL socket. If your TV is not connected to this socket, then ignore **TV/SAT** setting.

The **LANGUAGE** setting acts on all on-screen displays. The available languages are: English, German, Spanish, Dutch, French, Polish, Swedish and Danish.

K C-BAND AND TELECOM SATELLITES

To receive C-band broadcasts, set BAND switch (underside receiver) to C position (set to NORMAL for all other broadcasts). The BAND switch inverts the video signal. If switch is not set correctly, TV picture will distort. (Additionally, change receiver's local oscillator setting to 0GHz before tuning-in required C-band frequencies.)

To receive Télécom broadcasts, set DE-EMPH switch (underside receiver) to J17 position (set to NORM for all other broadcasts). The DE-EMPH switch changes audio de-emphasis on wide audio bandwidth channels (it has no effect on channels set to narrow audio bandwidth).

The BAND and DE-EMPH switches can be operated using a small screwdriver or similar object.

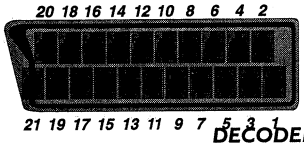
L SATELLITE RADIO

Every satellite channel is broadcast with the programme soundtrack on an audio subcarrier. On many channels this is accompanied by additional subcarrier(s) containing satellite radio station(s).

A number of receiver channels have been factory-set for radio stations (these are listed on the Satellite Check Chart accompanying this book). When selected, the picture will be blanked (except for on-screen information).

If receiver is connected to your stereo system (see section 15B), then your TV may be left switched off during radio reception.

M BACK PANEL SOCKETS



TV SCART/PERITEL
VCR SCART/PERITEL

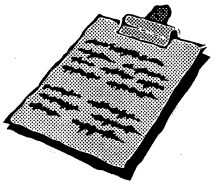
1	Audio out R	12	Serial interface (clock) †
2	Audio in R	13	Red ground
3	Audio out L	14	Serial interface ground
4	Audio ground	15	Red*
5	Blue ground	16	Blanking*
6	Audio in L	17	Video ground
7	Blue*	18	Blanking ground
8	External switching	19	Video out
9	Green ground	20	Video in
10	Serial interface (data) †	21	Shield/ground
11	Green*		

DECODER

1	Audio out R	11	Green
2	Audio in R	12	MAC baseband out
3	Audio out L	13	Ground
4	Audio ground	14	(not used)
5	Ground	15	(not used)
6	Audio in L	16	(not used)
7	(not used)	17	Video ground
8	Audio/video $\overline{\text{INT}}$/EXT	18	(not used)
9	Ground	19	PAL baseband out (filtered/clamped)
10	PAL baseband out (unfiltered/unclamped)	20	Video in
		21	Shield/ground

* (loop-through only)
† Pins 10 and 12 of the TV SCART/PERITEL socket are for *dealer use only*. Please ensure these pins are **not** short-circuited to ground. Some TVs and VCRs (which do not comply with official *SCART* specification) *do* short-circuit these pins to ground. Connecting such equipment will cause spurious behaviour of the receiver. If you encounter such problems, then pins 10 and 12 inside the SCART plug need to be disconnected. Refer to your dealer.

15 FURTHER INFORMATION



N SPECIFICATION

RECEIVER

Dimensions, weight:	335 x 250 x 62mm, 1.9kg
Mains supply:	220-230V ac 50Hz
Tuning range:	700-2050MHz
LNB high-band switching:	22kHz tone (600mV pk-pk)
Channel bandwidth:	27MHz
Local oscillator range:	0 and 9.3-12GHz
Fine tuning range:	±10MHz
Dynamic range:	-60 to -20dBm
AM co-channel interference threshold:	-15dBc typical
Threshold:	6dB typical (static)
RF output:	Channel 38 (adjustable 30-40)
Audio subcarrier:	5.5-8.5MHz
Audio output level:	2V pk-pk at 50kHz input deviation
Audio response:	40Hz-15kHz
Input/output connectors:	LNB 75 ohms F-type (x2) RF 75 ohms coaxial (x2) AUDIO OUT RCA phono (x2) SCART/PERITEL 21-way (x2) DECODER 21-way

SLB3 LNB

Input frequency range:	10.70-11.80GHz
Output frequency range:	950-2050MHz
Local oscillator:	9.75GHz
Gain:	55dB
Noise figure:	1dB typical
Polarisation switching:	Electrical (13/17V)
Output connector:	75 ohms F-type

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Illustrated by Stephen Hope

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The serial number of this product can be found on the underside. Make a note of the serial number and keep it separately to aid identification in case of theft.

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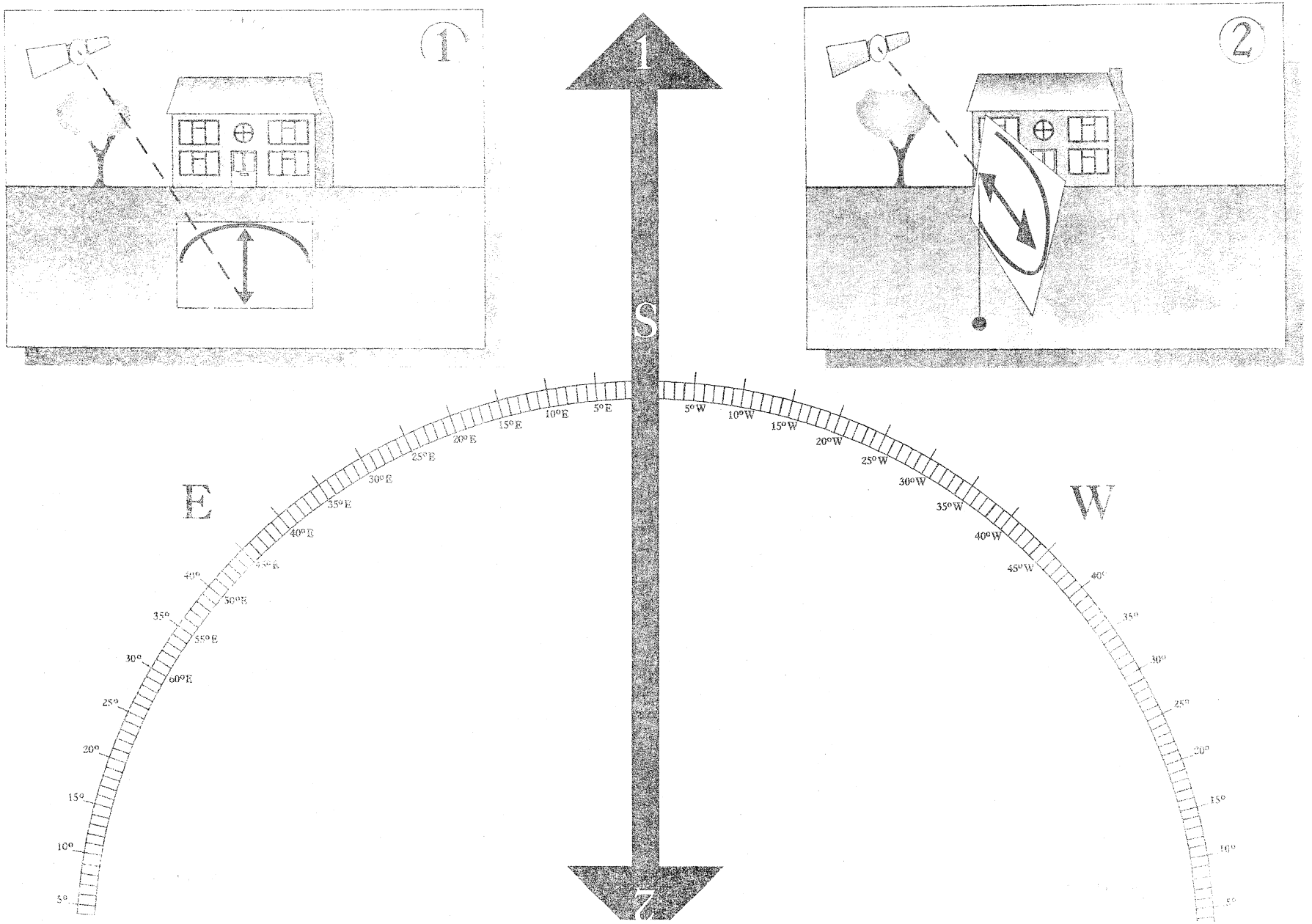
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